

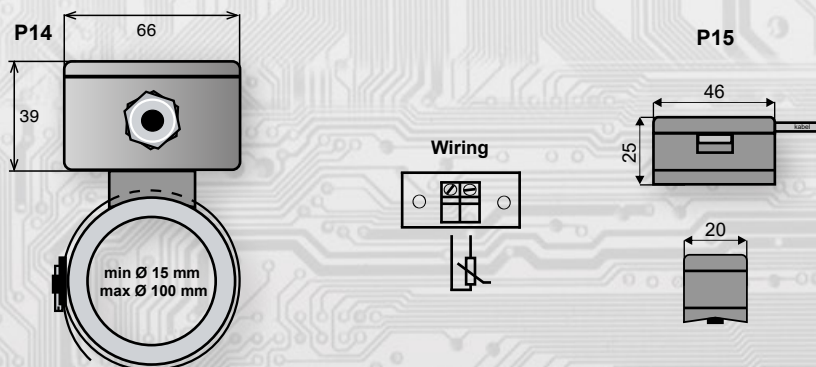
### Description

The surface contact feeler is used for temperature detection on piping and tubes (e.g. cold-water or hot-water), or on heating sections for heating system control. The head of sensor is made of polycarbonat, cover is provided with quick-locking screws,

The version P15 is without head, The length of the cable is 2m.

### Technical parameters:

|                       |   |
|-----------------------|---|
| Measuring range       | -30 ÷ 120 °C  |
| Sensin element        | see the table below   |
| Connection            | 2 (on request 3 or 4) wiring  |
| Accuracy              | class B, IEC 751 (Pt100, Pt 500, Pt1000)<br>class B, DIN 43760 (Ni1000, Ni10000, Ni891, Ni2226)<br>± 1 °C (NTC20kΩ) |
| Head                  | material polycarbonat, blue colour (grey on request)<br>surrounding's temperature -30 ÷ 80 °C                       |
| Stem                  | stainless steel, DIN 1.4301, Ø = 6 mm,<br>length of stem L1: see the table below                                    |
| Insulation resistance | > 100 MΩ at 25 °C (500 V DC)  |
| Protection type       | IP 65 (EN 60529)  |
| Relative humidity     | < 95 %  |
| Terminal board        | COB 5/2, wire cross section 0,35 ÷ 2,5 mm <sup>2</sup>  |
| Cable gland           | PG9, wire diameter 4 ÷ 8 mm   |
| Versions              | P14x - L1 (one sensing element)<br>2P14x - L1 (two sensing elements)<br>x = P, PA, PB, S, L, J, SA, H or N          |



### Summary

| Sensor                          | P14P  | P14PA  | P14PB  | P14S        | P14L        | P14J   | P14SA        | P14H     | P14N   |
|---------------------------------|-------|--------|--------|-------------|-------------|--------|--------------|----------|--------|
| Sensing element                 | Pt100 | Pt1000 | Pt500  | Ni1000/6180 | Ni1000/5000 | Ni891  | Ni10000/6180 | NTC 20kΩ | Ni2226 |
| Recommended measurement current | 1 mA  | 0,1 mA | 0,7 mA | 0,1 mA      | 0,1 mA      | 0,1 mA | 0,01 mA      | *        | 0,1 mA |
| Max. measurement current        | 5mA   | 1 mA   | 3 mA   | 1 mA        | 1 mA        | 1 mA   | 0,5 mA       | *        | 0,7 mA |

On the request sensors can be supplied with two measuring elements or sensors with other types of measuring elements such as NTC, PTC, KTY etc